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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/564,751	04/24/2006	Daria Onichtchouk	WIECKM-52	9861	
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2200 CLARENDON BLVD. SUITE 1400 ARLINGTON, VA 22201			NGUYEN	NGUYEN, QUANG	
			ART UNIT	PAPER NUMBER	
			1633	•	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.	Applicant(s)	
10/564,751	ONICHTCHOUK, DARIA	
Examiner	Art Unit	
QUANG NGUYEN, Ph.D.	1633	

	QUANG NGUYEN, Ph.D.	1633					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time map be available under the provisions of 37 CFR 1.13(a). In no even, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO price of reply is specified above, the manimum statutory period will apply sure will capies SIX (6) MONTHS from the mating date of this communication. - If NO price of reply is specified above, the maximum statutory period will apply sure will capies SIX (6) MONTHS from the mating date of this communication. - Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any camed patient term adjustment. See 37 CFR 1.74(b).							
Status							
1) Responsive to communication(s) filed on	- action is non-final. ce except for formal matters, pr						
Disposition of Claims							
4) ☐ Claim(s) 37-58 is/are pending in the application 4a) Of the above claim(s) is/are withdraw 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 37-58 are subject to restriction and/or	n from consideration.						
Application Papers							
9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some colonic None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
Attachment(s)							
1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SE/08) Paper Nots/Mail Date	4) Interview Summar Paper No(s)/Mail D 5) Notice of Informal 6) Other:	ate					

U.S. Patent and Trademark Office PTOL-326 (Rev. 08-06)

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DETAILED ACTION

Claims 37-58 are pending in the present application, and they are subjected to the following restrictions.

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group 1, claims 37, 47, 55 and 58, drawn to a pharmaceutical composition comprising a DG008, DG065, DG210 or DG239 protein and/or a functional fragment thereof; and first method of use using the same composition along with a kit comprising the same.

Group 2, claims 37-47, 54 and 58, drawn to a pharmaceutical composition comprising a nucleic acid molecule encoding a DG008, DG065, DG210 or DG239 protein and/or a functional fragment thereof; and first method of use using the same composition along with a kit comprising the same.

Group 3, claims 37, 47 and 58, drawn to a pharmaceutical composition comprising an effector/modulator of DG008, DG065, DG210 or DG239 protein and/or a functional fragment thereof (e.g., antibodies; see instant specification at least page 21); and first method of use using the same composition along with a kit comprising the same.

Group 4, claims 37, 47 and 58, drawn to a pharmaceutical composition comprising an effector/modulator of a nucleic acid encoding DG008, DG065, DG210 or DG239 protein and/or a functional fragment thereof (e.g., antisense molecules, aptamers, RNAi molecules or ribozymes; see instant specification at least on page 22, last paragraph); and first method of use using the same composition along with a kit comprising the same.

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Group 5, claim 48, drawn to a method for identifying substances capable of interacting with a DG008, DG0065, DG210 or DG239 polypeptide using DG008, DG065, DG210 or DG239 nucleic acid molecule or a fragment or a variant thereof.

Group 6, claim 48, drawn to a method for identifying substances capable of interacting with a DG008, DG0065, DG210 or DG239 polypeptide using an effector/modulator of DG008, DG065, DG210 or DG239 protein or a fragment or a variant thereof.

Group 7, claim 48, drawn to a method for identifying substances capable of interacting with a DG008, DG0065, DG210 or DG239 polypeptide using an effector/modulator of DG008, DG065, DG210 or DG239 nucleic acid molecule or a fragment or a variant thereof.

Group 8, claims 49 and 57, drawn to a non-human transgenic animal exhibiting an increased expression of a DG008, DG065, DG210 or DG239 polypeptide; and a method for the production of the same.

Group 9, claims 49 and 57, drawn to a non-human transgenic animal exhibiting a reduced expression of a DG008, DG065, DG210 or DG239 polypeptide; and a method for the production of the same.

Group 10, claims 50, 56 and 58, drawn to a recombinant host cell exhibiting a modified expression of a DG008, DG065, DG210 or DG239 polypeptide which comprises a nucleic acid molecule of the present invention; and the first method of using the same for the preparation of a medicament along with a kit comprising the same.

Group 11, claims 48 and 51, drawn to a method of identifying a polypeptide involved in the regulation of energy homeostasis and/or metabolism in a mammal using DG008, DG0065, DG210 or DG239 polypeptide.

Group 12, claim 52, drawn to a method of screening for an agent which effects/modulates the interaction of a DG008, DG065, DG210 or DG239 polypeptide with a binding target.

Group 13, claim 53, drawn to a method of screening for an agent which effects/modulates the activity of a DG008, DG065, DG210 or DG239 polypeptide with a binding target.

The currently claimed subject matter (Inventions of Groups 1-14) lacks unity of invention according to Rule 13.1 PCT for the following reasons.

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The compositions in Groups 1-4 and 8-10 differ one from the others because they are structurally, physically and chemically different one from the others, as well as different properties. For example, the pharmaceutical composition of Group 1 is made up of amino acids; the pharmaceutical composition of Group 2 is composed of nucleotides; the pharmaceutical composition of Group 3 is directed to an effector/modulator of DG008, DG065, DG210 or DG239 protein or functional fragment thereof, such as antibodies which clearly have different properties and structures from those of DG008, DG065, DG210 or DG239 protein; the pharmaceutical composition of Group 4 is drawn to an effector/modulator of a nucleic acid encoding DG008, DG065. DG210 or DG239 protein of a fragment thereof such as antisense molecules, aptamers, RNAi molecules or ribozymes which are clearly different in structures and properties from DG008, DG065, DG210 or DG239 nucleic acids. The non-human transgenic animals in Groups 8-9 are living entities that are physically different from other compositions, and that these non-human transgenic animals in Groups 8-9 have mutual exclusive properties (increased vs reduced expression of a DG008, DG065, DG210 or DG239 protein). Similarly, the recombinant host cell exhibiting modified expression of a DG008, DG065, DG210 or DG239 protein in Group 10 are physically and structurally different from the above mentioned compositions.

The methods in Groups 5-7 and 11-13 do not share the same technical feature because each method differs from the others in the starting materials and different method steps. Additionally, none of the methods in Groups 5-7 and 11-13 requires any of the compositions in Groups 1-4 and 8-10.

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Because the currently claimed subject matter lacks unity according to Rule 13.1 PCT for the reasons set forth above, restriction for examination purposes as indicated is proper.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

A. Additionally, should Applicants elect anyone of Groups 1-13,
Applicants are further required to elect one of the followings:

- (i) DG008 (SPAC-like 1 or hevin),
- (ii) DG0065 (human SPARC related modular calcium binding 2),
- (iii) DG210 (secreted Frizzled-related protein 1 or SFRP1),
- (iv) DG239 (human granulin precursor),

This is an additional group restriction, because DG008, DG0065, DG210 and DG239 lack unity of invention because each represents a different gene that is different structurally and functionally one from the others.

B. Should Applicants elect anyone of Groups 4 and 7; Applicants are further required to elect a specific effector/modulator of DG008, DG0065, DG210 or DG239 nucleic acid or a fragment or variant thereof from the followings:

- (i) anti-sense oligonucleotide,
- (ii) an aptamer,

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- (iii) RNAi molecule,
- (iv) ribozyme,

This is an additional group restriction, because each of the above effector/modulators lack unity of invention one from the others because they are different structurally, chemically one from the others as well as different properties.

Additionally, it has also been decided that, due to the high burden on the Office to search sequences ONE sequence constitutes a reasonable number for examination purposes. Examination will be restricted to only the one elected sequence within each elected Group. The search of no more than one selected sequences may include the complements of the selected sequence and where appropriate, may include subsequences within the selected sequence (e.g., oligomeric probes and/or primers).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Quang Nguyen, Ph.D., whose telephone number is (571) 272-0776.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's SPE, Joseph T. Woitach, Ph.D., may be reached at (571) 272-0739.

To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to Group Art Unit 1633; Central Fax No. (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to (571) 272-0547.

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/QUANG NGUYEN, Ph.D./ Primary Examiner, Art Unit 1633